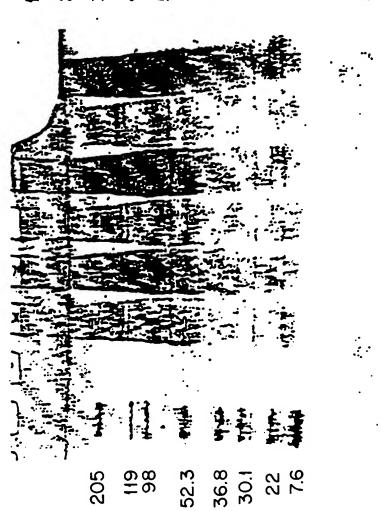


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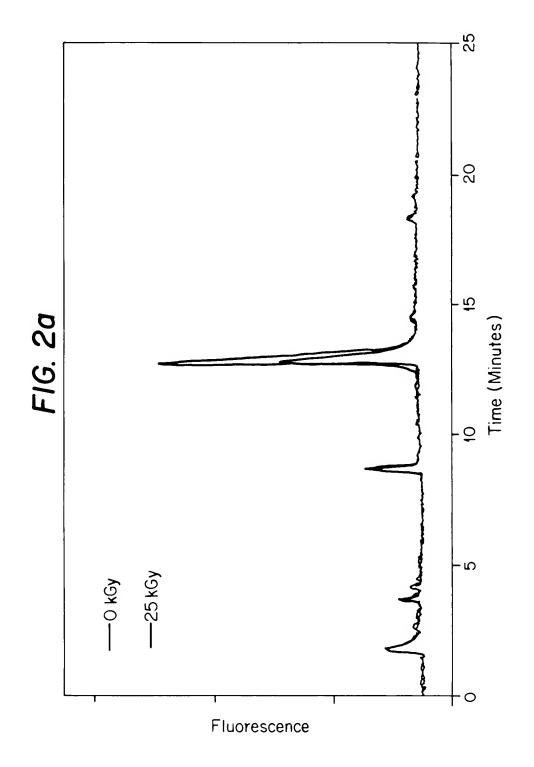


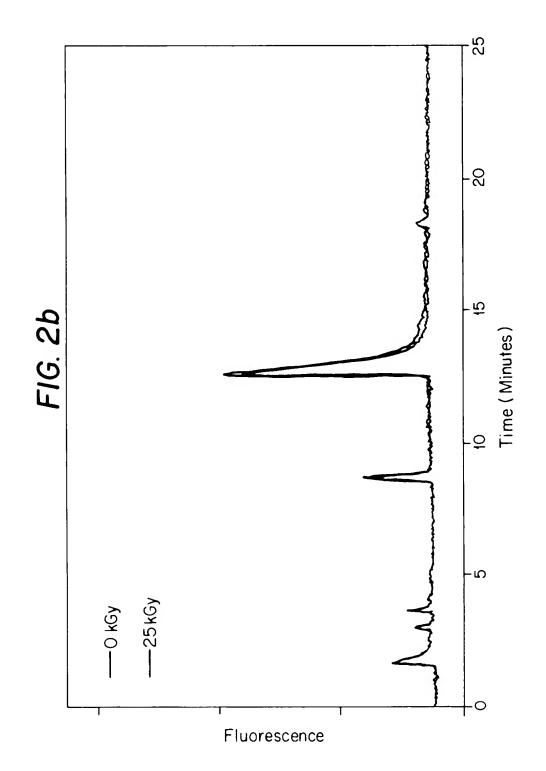
- 1. Molecular Weight Markers
- 2. Blank
- 3. PPG400, OkGy
- 4. PPG400,30 kGy
- 5.PPG400, and TroloxC, OkGy
- 6. PPG400 and TroloxC, 30 kGy
- 7. PPG400 and a Cocktail of TroloxC, Lipoic Acid, Coumaric Acid, and n-Propyl Gallate, OkGy
- 8. PPG400 and a Cocktail of TroloxC, Lipoic Acid, Coumaric Acid, and n-Propyl Gallate, 30kGy

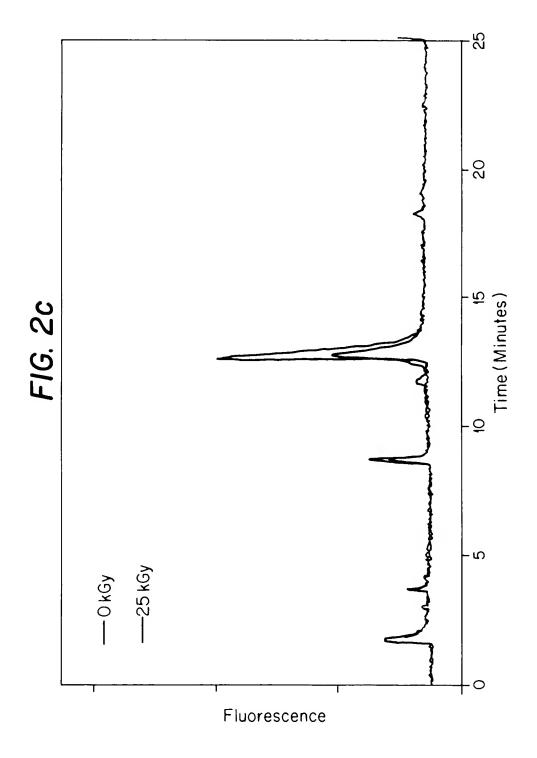
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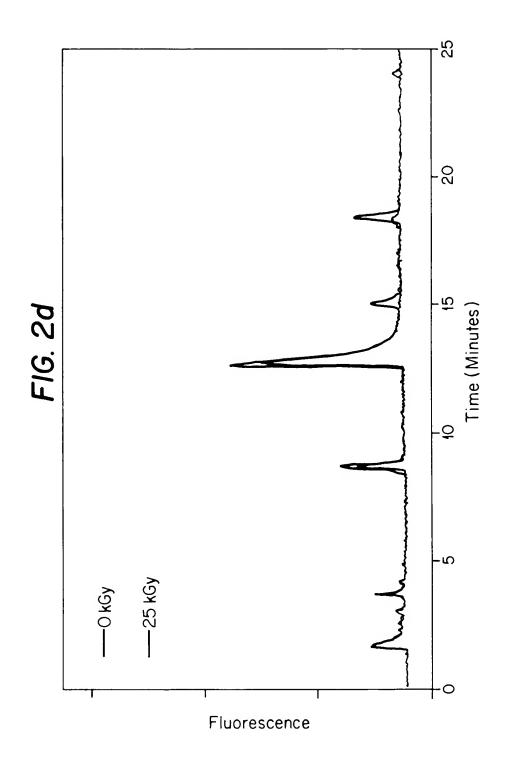
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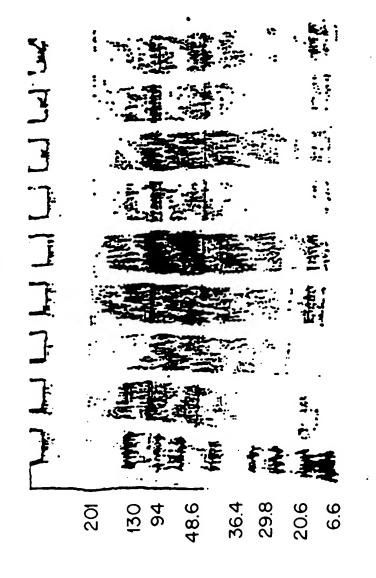












- 1. Molecular Weight Markers
- 2. PBS, OkGy
- 3. PBS, 25 kGy
- 4. PPG400, 0 kGy
- 5. PPG400, 25 kGy
- 6.50% DMSO, OkGy 7.50% DMSO, 25 kGy
- 8.50% DMSO and Cocktail of Ascorbate, Coumaric Acid, and n-Propyl Gallate, O kGy
- 9. 50% DMSO and Cocktail of Ascorbate, Coumaric Acid, and n-Propyl Gallate, 25 kGy

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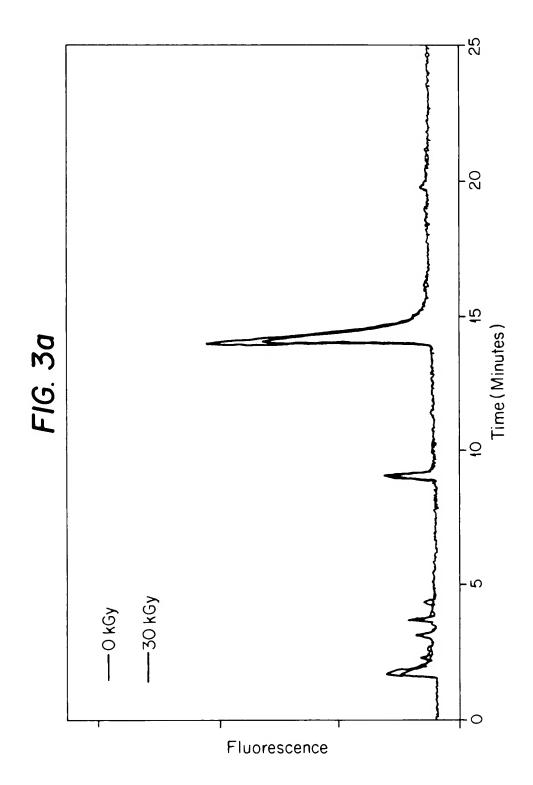
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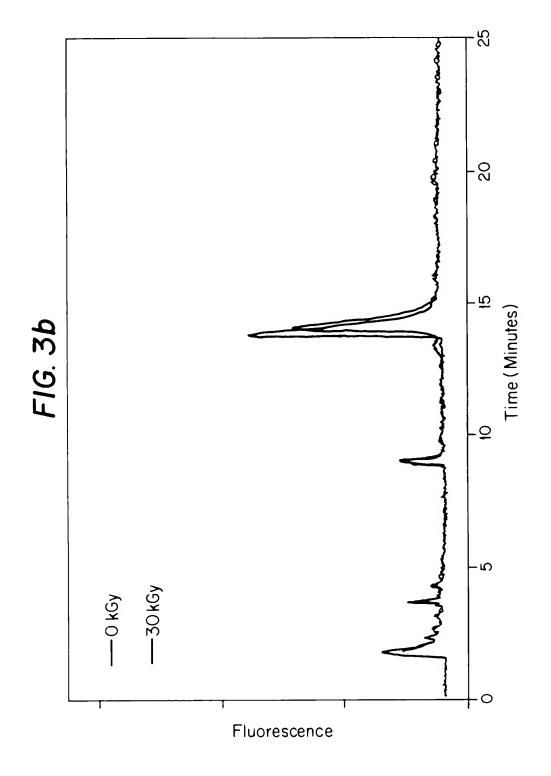
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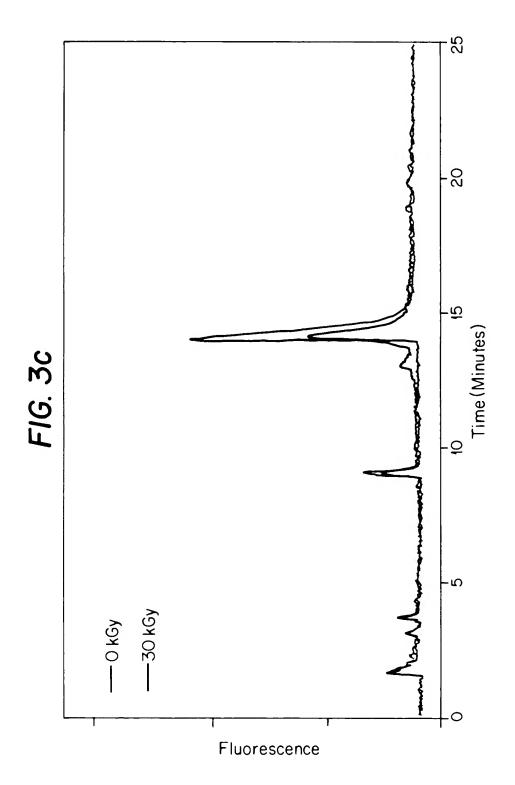
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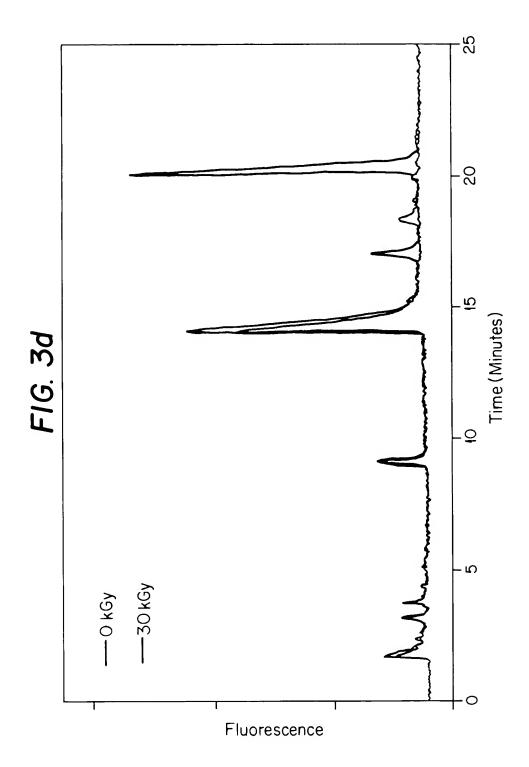
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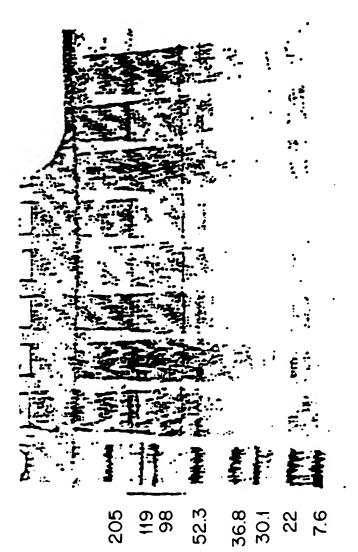












- 1. Molecular Weight Markers
 - 2. Cryopreservative, OkGy
- 3. Cryopreservative, 30 kGy
 - 4. PBS, O kGy 5. PBS, 30 kGy
- 6.50% DMSO, O kGy 7.50% DMSO, 30 kGy
- 8.50% DMSO and Ascorbate, O kGy
- 9.50% DMSO and Ascorbate,

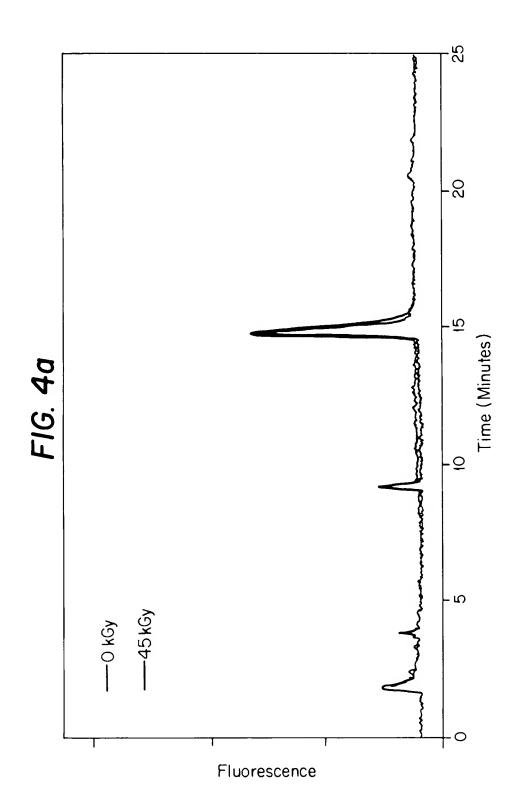
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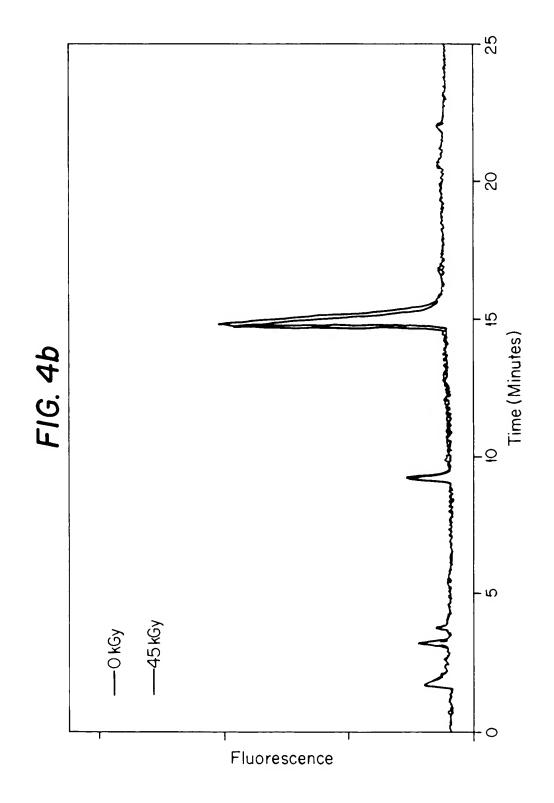
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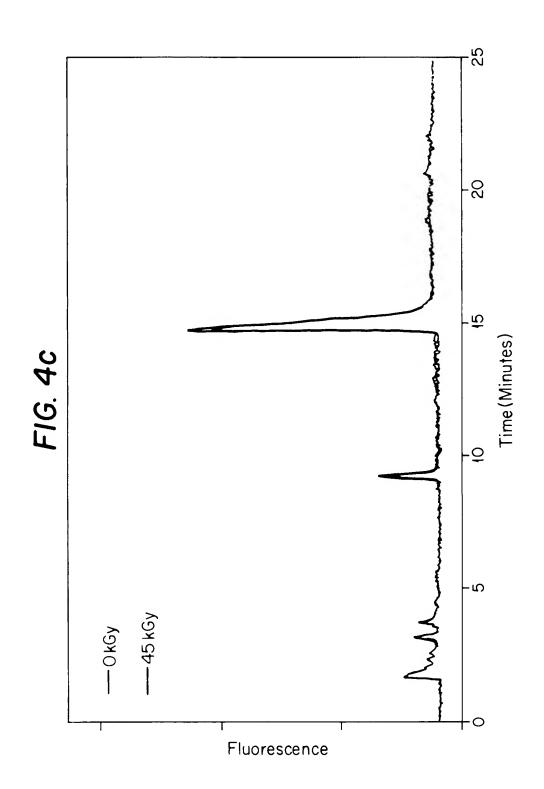
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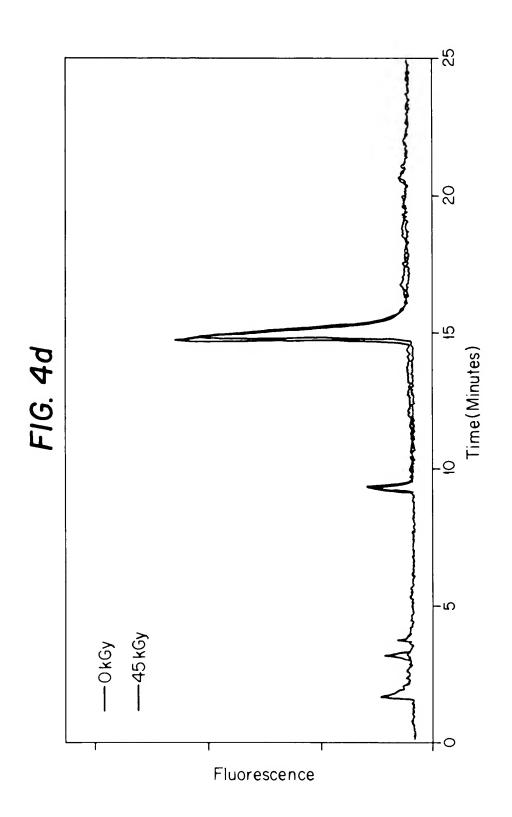
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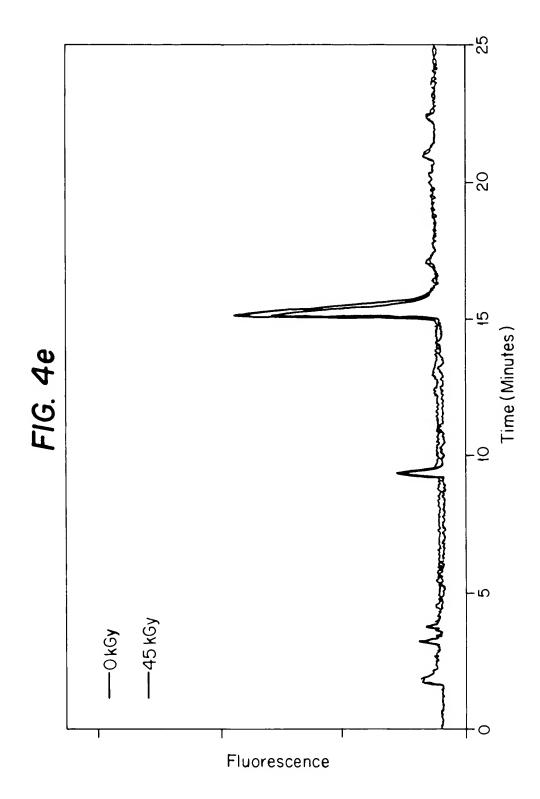
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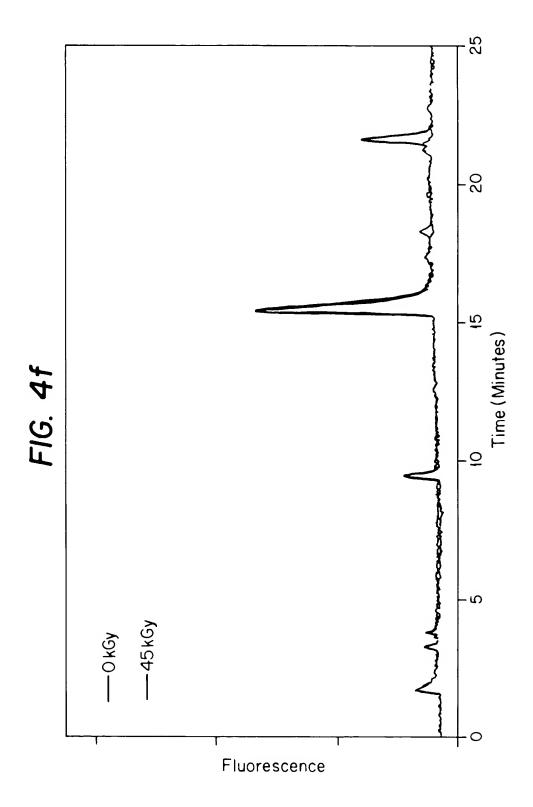
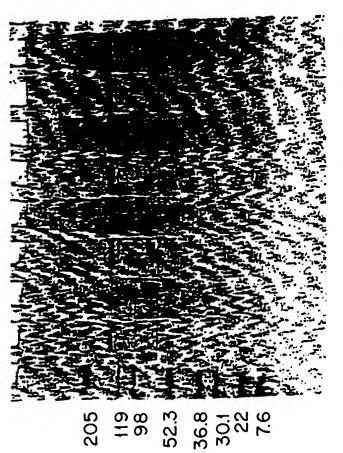


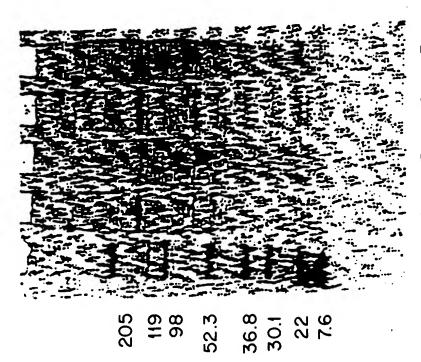
FIG. 49



- 1. Molecular Weight Markers
- 2. PBS, 0 kGy
- 3. PBS, 45 kGy
- 4. PBS and Ascorbate, O kGy
- 5. PBS and Ascorbate, 45 kGy
- 6. PPG400, 0 kGy
- 7. PPG400, 45 kGy
- 8. Dehydrated in PPG400 and Rehydrated with PBS and Ascorbate, 0 kGy
- 9. Dehydrated in PPG400 and Rehydrated with PBS and Ascorbate, 45 kGy

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F1G. 4h



- 1. Molecular Weight Markers
- 2.50% DMSO, 0 kGy
- 3.50% DMSO, 45 kGy
- 4.50% DMSO and Ascorbate, OkGy
- 5.50% DMSO and Ascorbate, 45 kGy